

## Water-Data Report 2008

**01409335 LITTLE EGG INLET NEAR TUCKERTON, NJ**

GREAT BAY

LOCATION.--Lat 39°30'32", long 74°19'29" referenced to North American Datum of 1983, Little Egg Harbor Township, Ocean County, NJ, Hydrologic Unit 02040301, on west end of docking pier at Rutgers University Marine Field Station (old U.S. Coast Guard Station) along Shooting Thorofare, 2.0 mi west of Atlantic Ocean, 4.3 mi southwest of Holgate (Long Beach Island), and 6.6 mi southeast of Tuckerton.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Continuous-record tide gage, water years, 1971-1975 (published as "Shooting Thorofare near Tuckerton, NJ"), Jan 24, 2001 to current year. Unpublished fragmentary gage-height record, July 1997 to Jan 23, 2001.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is at 0.00 ft NAVD of 1988. To determine approximate elevations to NGVD of 1929, add 1.26 ft. To determine approximate elevations to Mean Lower Low Water datum, add 1.97 ft (revised to Tidal Epoch 1983-2001).

REMARKS.--Missing gage-height record on short portions of days. Summaries for months with short periods of missing gage-height record have been estimated with little or no loss of accuracy. Some periods cannot be estimated and are noted by dashed (---) lines. Satellite stage telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 4.61 ft (adjusted to NAVD of 1988), Feb 19, 1972; minimum elevation recorded, -4.38 ft, Mar 9, 2005, although a lower tide may have occurred during period of partially missing record on Feb 17, 2007.

EXTREMES FOR CURRENT YEAR.--Maximum elevation recorded, 4.31 ft, May 12; minimum elevation, estimated at -4.0 ft, Feb 11 and Mar 9.

Statistics of Tide Elevations, in feet  
Water Year October 2007 to September 2008

Month	Mean High Tide	Mean Water Level	Mean Low Tide
October	1.54	0.06	-1.37
November	1.26	-0.20	-1.62
December	1.08	-0.38	-1.82
CALENDAR YEAR 2007	1.22	-0.23	-1.69
January	0.98	-0.46	-1.87
February	0.95	-0.52	-1.97
March	1.01	-0.42	-1.80
April	1.41	-0.03	-1.43
May	1.71	0.24	-1.19
June	1.38	-0.11	-1.58
July	1.28	-0.18	-1.65
August	1.50	0.01	-1.46
September	1.64	0.22	-1.16
WATER YEAR 2008	1.31	-0.15	-1.58

**01409335 LITTLE EGG INLET NEAR TUCKERTON, NJ—Continued**

**GAGE HEIGHT, FEET**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
[e, estimated]

Day	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low
	<b>October</b>				<b>November</b>				<b>December</b>			
<b>1</b>	2.04	0.00	-1.64	1.40	-0.39	-1.79	-0.15	-1.44	-2.81	0.66	-0.50	-2.10
<b>2</b>	1.93	0.05	-1.41	2.01	0.38	-0.99	1.03	-0.49	-1.66	0.42	-1.01	-2.32
<b>3</b>	1.75	0.01	-1.37	3.19	1.75	-0.04	1.26	-0.69	-2.97	0.81	-0.81	-2.02
<b>4</b>	1.57	-0.05	-1.48	1.58	0.01	-1.82	-0.41	-1.68	-2.88	1.00	-1.03	-2.81
<b>5</b>	1.42	-0.17	-1.54	1.22	-0.28	-1.80	0.77	e-0.6	-1.76	0.17	-1.30	-2.50
<b>6</b>	1.43	-0.18	-1.51	1.84	-0.13	-1.57	1.48	-0.27	-1.43	0.99	-0.68	-2.46
<b>7</b>	2.09	0.07	-1.59	0.90	-0.61	-2.09	1.36	-0.58	-1.95	1.61	-0.40	-1.89
<b>8</b>	1.72	0.25	-1.25	1.57	-0.18	-1.94	1.12	-0.82	-2.21	1.50	-0.58	-2.07
<b>9</b>	2.60	0.62	-1.42	1.77	-0.03	-1.57	1.25	-0.75	-2.33	1.60	-0.66	-2.28
<b>10</b>	2.57	0.91	-0.58	2.29	0.48	-1.25	1.75	-0.35	-1.89	1.36	-0.70	-2.35
<b>11</b>	2.69	0.91	-0.66	2.22	0.40	-0.85	1.75	-0.33	-1.79	1.98	-0.13	-1.72
<b>12</b>	1.91	0.24	-1.24	1.43	-0.39	-1.94	1.25	-0.85	-2.44	1.68	-0.23	-1.80
<b>13</b>	1.89	0.11	-1.26	1.60	-0.29	-1.60	1.79	-0.23	-2.08	1.82	0.12	-1.44
<b>14</b>	1.54	-0.19	-1.60	1.68	-0.10	-1.44	1.78	-0.06	-1.70	2.35	0.73	-0.97
<b>15</b>	1.56	-0.20	-1.40	1.67	-0.19	-1.60	1.57	-0.20	-1.78	1.64	-0.21	-2.00
<b>16</b>	1.48	-0.23	-1.59	0.65	-0.92	-2.42	3.26	1.26	-0.89	0.94	-0.81	-2.42
<b>17</b>	1.55	-0.13	-1.27	0.65	-1.00	-2.10	0.55	e-2.0	e-3.4	1.39	-0.07	-1.27
<b>18</b>	1.64	-0.03	-1.15	1.43	-0.19	-1.42	0.22	-1.27	-2.68	2.65	-0.01	-2.21
<b>19</b>	1.92	0.28	-0.79	1.68	0.29	-1.12	1.08	-0.46	-1.98	1.15	-0.59	-2.08
<b>20</b>	1.67	0.06	-1.62	1.66	0.01	-1.75	1.79	-0.21	-1.96	1.79	-0.66	-3.01
<b>21</b>	1.17	-0.49	-1.92	1.77	0.12	-1.57	2.32	0.72	-0.73	0.90	-1.14	-2.80
<b>22</b>	1.34	-0.38	-1.72	2.36	0.18	-1.28	2.85	0.60	-1.04	1.34	-0.94	-2.90
<b>23</b>	1.62	-0.17	-1.98	2.17	-0.22	-2.25	2.67	0.39	-1.50	1.47	-0.77	-2.68
<b>24</b>	1.82	-0.14	-2.12	2.10	-0.34	-2.32	2.17	-0.47	-2.24	1.74	-0.42	-2.60
<b>25</b>	2.79	0.90	-1.53	1.90	-0.56	-2.51	1.36	-0.97	-3.03	1.40	-0.64	-2.40
<b>26</b>	3.07	0.97	-0.88	2.03	-0.38	-2.63	2.07	-0.10	-2.58	1.38	-0.56	-2.17
<b>27</b>	2.84	0.35	-1.54	1.64	-0.86	-2.62	2.90	0.78	-0.84	1.76	0.27	-1.20
<b>28</b>	1.98	-0.34	-2.20	1.11	e-1.1	e-3.1	1.57	-0.17	-1.67	2.21	0.84	-0.51
<b>29</b>	2.18	-0.25	-2.03	1.47	-0.62	-2.13	1.53	-0.05	-1.71	1.81	0.26	-1.05
<b>30</b>	1.66	-0.51	-2.17	0.98	-0.93	-2.25	1.08	-0.21	-1.60	1.44	-0.60	-2.21
<b>31</b>	1.65	-0.39	-1.85	---	---	---	2.03	-0.21	-1.87	-0.07	-1.07	-2.07
<b>Max</b>	3.07	0.97	-0.58	3.19	1.75	-0.04	3.26	1.26	-0.73	2.65	0.84	-0.51
<b>Min</b>	1.17	-0.51	-2.20	0.65	e-1.1	e-3.1	-0.41	e-2.0	e-3.4	-0.07	-1.30	-3.01

**01409335 LITTLE EGG INLET NEAR TUCKERTON, NJ—Continued**

**GAGE HEIGHT, FEET**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
[e, estimated]

Day	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low
	<b>February</b>			<b>March</b>			<b>April</b>			<b>May</b>		
<b>1</b>	1.20	0.20	-0.93	0.92	-0.66	-1.89	0.81	-0.84	-2.29	1.39	0.03	-1.53
<b>2</b>	0.80	-1.19	-2.54	0.06	-1.21	-2.27	0.04	-1.14	-2.54	1.94	0.20	-1.53
<b>3</b>	0.56	-1.06	-2.33	0.68	-0.83	-1.95	0.77	-0.95	-2.56	2.71	0.68	-1.18
<b>4</b>	1.23	-0.50	-1.82	0.86	-0.71	-2.11	1.51	-0.44	-2.54	2.48	0.54	-1.44
<b>5</b>	1.76	-0.22	-1.92	1.82	-0.22	-1.80	1.99	-0.09	-2.06	2.51	0.15	-1.84
<b>6</b>	1.98	-0.17	-1.93	1.53	-0.40	-2.06	3.10	0.58	-1.83	2.48	0.01	-1.98
<b>7</b>	2.08	0.05	-1.72	2.25	0.03	-2.10	3.20	0.96	-0.94	2.53	0.01	-1.81
<b>8</b>	2.39	0.23	-1.62	2.06	0.13	-1.60	2.41	0.66	-1.25	1.14	-0.16	-2.03
<b>9</b>	1.90	-0.03	-1.90	-0.42	e-2.2	e-4.0	1.31	-0.03	-1.75	2.17	0.50	-1.65
<b>10</b>	1.85	-0.55	-2.41	0.88	e-1.4	e-3.5	2.15	-0.22	-1.83	3.10	0.82	-0.78
<b>11</b>	-0.52	e-2.1	e-4.0	0.91	-0.69	-2.55	1.83	-0.14	-1.61	2.30	0.91	-0.85
<b>12</b>	-0.07	e-1.4	e-3.3	1.82	-0.38	-2.15	2.09	0.08	-1.30	4.31	2.83	1.66
<b>13</b>	1.67	0.09	-1.24	1.32	-0.40	-1.95	1.81	0.06	-1.38	3.15	1.49	-0.14
<b>14</b>	2.03	-0.25	-1.97	1.98	0.02	-1.34	1.72	0.00	-1.60	1.90	0.58	-0.93
<b>15</b>	1.28	-0.90	-2.58	2.21	0.44	-1.04	1.22	-0.27	-1.72	1.89	0.47	-0.96
<b>16</b>	1.10	-0.76	-2.28	2.62	0.79	-1.26	1.15	-0.36	-1.94	2.38	0.58	-0.92
<b>17</b>	1.63	-0.29	-1.77	1.54	0.02	-1.31	1.63	-0.06	-1.63	1.98	0.53	-0.97
<b>18</b>	1.91	-0.15	-1.54	2.09	0.50	-1.36	1.66	0.10	-1.37	2.26	0.37	-1.26
<b>19</b>	1.55	-0.80	-2.48	2.45	0.81	-0.80	1.84	-0.06	-1.66	1.64	0.01	-1.50
<b>20</b>	0.82	-1.13	-3.05	1.89	0.22	-1.56	2.13	0.12	-1.46	2.28	0.07	-1.57
<b>21</b>	1.08	-0.83	-2.84	0.40	-1.21	-3.00	2.07	0.35	-1.05	2.03	0.20	-1.12
<b>22</b>	1.71	-0.25	-2.47	1.32	-0.99	-3.00	1.69	0.03	-1.31	1.71	-0.06	-1.38
<b>23</b>	1.88	0.03	-1.74	1.27	-0.54	-2.22	1.53	-0.24	-1.50	1.74	-0.29	-1.72
<b>24</b>	1.29	-0.26	-1.83	1.22	-0.60	-2.09	0.35	-0.39	-1.60	0.74	-0.09	-1.53
<b>25</b>	1.04	-0.61	-2.06	1.48	-0.33	-1.87	1.53	-0.16	-1.45	1.73	-0.17	-1.46
<b>26</b>	1.03	-0.12	-1.72	-0.07	-0.80	-2.17	1.60	0.33	-1.10	1.47	-0.38	-1.68
<b>27</b>	1.77	-0.23	-1.69	0.94	-0.53	-1.75	1.97	0.40	-0.62	0.92	-0.62	-2.09
<b>28</b>	0.68	-1.11	-2.47	1.36	-0.21	-1.23	1.77	0.52	-0.51	1.00	-0.31	-1.53
<b>29</b>	0.35	-0.67	-1.68	1.16	-0.52	-1.62	1.93	0.28	-0.89	0.87	-0.54	-1.99
<b>30</b>	---	---	---	0.81	-0.62	-1.58	1.56	0.04	-1.28	1.15	-0.56	-2.24
<b>31</b>	---	---	---	0.80	-0.56	-1.65	---	---	---	1.54	-0.27	-2.01
<b>Max</b>	2.39	0.23	-0.93	2.62	0.81	-0.80	3.20	0.96	-0.51	4.31	2.83	1.66
<b>Min</b>	-0.52	e-2.1	e-4.0	-0.42	e-2.2	e-4.0	0.04	-1.14	-2.56	0.74	-0.62	-2.24

## 01409335 LITTLE EGG INLET NEAR TUCKERTON, NJ—Continued

**GAGE HEIGHT, FEET**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
[e, estimated]

Day	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low
	<b>June</b>			<b>July</b>			<b>August</b>			<b>September</b>		
<b>1</b>	2.05	-0.19	-2.00	2.29	-0.02	-1.83	2.50	0.22	-1.61	1.64	-0.11	-1.80
<b>2</b>	2.18	-0.11	-2.02	2.15	-0.18	-2.07	2.28	0.19	-1.65	1.77	0.02	-1.74
<b>3</b>	2.33	-0.17	-2.19	1.95	-0.35	-2.22	1.97	0.08	-1.64	2.13	0.34	-1.13
<b>4</b>	2.57	-0.12	-2.12	2.19	-0.33	-2.26	1.72	-0.07	-1.76	1.55	-0.05	-1.35
<b>5</b>	2.29	-0.05	-1.84	2.07	-0.09	-1.83	1.66	0.04	-1.72	1.36	-0.21	-1.55
<b>6</b>	2.14	-0.17	-1.88	1.27	-0.12	-1.74	1.69	0.13	-1.35	1.97	0.37	-1.08
<b>7</b>	0.98	-0.34	-1.95	1.85	-0.20	-1.75	1.82	0.24	-1.25	1.26	-0.39	-1.56
<b>8</b>	1.73	-0.32	-1.97	1.36	-0.36	-1.88	1.82	0.19	-1.14	1.22	-0.32	-1.33
<b>9</b>	1.68	-0.14	-1.76	1.02	-0.42	-1.93	1.59	0.06	-1.26	1.25	-0.14	-1.35
<b>10</b>	1.45	-0.07	-1.66	1.27	-0.27	-1.73	1.72	0.09	-1.15	1.60	-0.01	-1.04
<b>11</b>	1.32	-0.12	-1.68	1.37	-0.17	-1.55	1.64	0.14	-0.99	1.42	-0.15	-1.27
<b>12</b>	1.09	-0.32	-1.81	1.26	-0.19	-1.44	1.68	-0.01	-1.12	1.57	-0.17	-1.42
<b>13</b>	1.22	-0.37	-1.80	1.61	-0.07	-1.31	1.83	-0.04	-1.27	1.78	-0.08	-1.60
<b>14</b>	1.66	-0.20	-1.64	1.60	-0.06	-1.38	1.98	0.10	-1.27	2.08	0.17	-1.49
<b>15</b>	2.00	0.18	-1.36	1.67	-0.13	-1.38	2.07	0.20	-1.23	1.63	-0.12	-1.75
<b>16</b>	2.04	0.23	-1.16	1.76	-0.15	-1.42	1.87	-0.06	-1.60	1.84	-0.03	-1.90
<b>17</b>	2.02	0.18	-1.29	1.76	-0.20	-1.61	1.85	-0.16	-1.70	1.96	0.08	-1.68
<b>18</b>	2.02	0.17	-1.25	1.64	-0.28	-1.61	1.68	-0.28	-1.84	2.01	0.07	-1.78
<b>19</b>	2.05	0.11	-1.30	1.56	-0.39	-1.77	1.54	-0.26	-1.92	2.67	0.71	-1.03
<b>20</b>	1.86	-0.05	-1.42	1.62	-0.40	-1.94	1.70	-0.07	-1.59	2.25	0.45	-0.99
<b>21</b>	1.73	-0.18	-1.57	1.76	-0.18	-1.78	1.32	-0.36	-2.02	1.85	0.02	-1.38
<b>22</b>	1.77	-0.20	-1.60	1.24	-0.11	-1.62	1.49	-0.35	-1.99	1.91	0.09	-1.51
<b>23</b>	0.95	-0.09	-1.46	1.59	-0.11	-1.72	1.54	-0.31	-1.95	2.21	0.65	-0.63
<b>24</b>	1.68	-0.27	-1.72	1.41	-0.22	-1.79	1.60	-0.21	-1.75	2.30	0.69	-0.68
<b>25</b>	1.25	-0.44	-1.91	1.33	-0.31	-1.89	1.75	-0.19	-1.66	3.03	1.38	-0.39
<b>26</b>	1.21	-0.29	-1.86	1.46	-0.32	-1.95	2.02	0.10	-1.19	2.74	1.31	-0.33
<b>27</b>	1.54	-0.02	-1.59	---	---	-1.75	2.16	0.13	-1.49	2.30	0.60	-0.99
<b>28</b>	1.83	0.07	-1.56	2.03	0.10	-1.64	2.30	0.21	-1.55	2.26	0.63	-0.96
<b>29</b>	2.08	0.08	-1.63	2.01	-0.10	-1.92	2.38	0.35	-1.38	2.23	0.47	-1.04
<b>30</b>	2.20	-0.01	-1.94	2.34	-0.04	-1.85	1.99	0.15	-1.64	2.18	0.40	-1.35
<b>31</b>	---	---	---	2.48	0.16	-1.70	1.79	-0.03	-1.75	---	---	---
<b>Max</b>	2.57	0.23	-1.16	2.48	0.16	-1.31	2.50	0.35	-0.99	3.03	1.38	-0.33
<b>Min</b>	0.95	-0.44	-2.19	1.02	-0.42	-2.26	1.32	-0.36	-2.02	1.22	-0.39	-1.90

**01409335 LITTLE EGG INLET NEAR TUCKERTON, NJ—Continued**